

Inference at *
of proof for Lemma sub-equality:

$\vdash \forall T:\text{Type}, P:(T \rightarrow \mathbb{P}), i, u:T. (i = u) \Rightarrow (P(u)) \Rightarrow (i = u)$
by Auto.

1:

1. $T : \text{Type}$
 2. $P : T \rightarrow \mathbb{P}$
 3. $i : T$
 4. $u : T$
 5. $i = u$
 6. $P(u)$
- $\vdash i = u$
- .